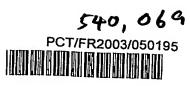
PATENT COOPERATION TREATY



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference								
B 14215.3JCI	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)							
International application No. PCT/FR2003/050195	International filing date (day/month/year) Priority date (day/month/year)							
	19 décembre 2003 (19.12.2003) 23 décembre 2002 (23.12.2002)							
International Patent Classification (IPC) or n G06T 11/00	ational classification and IPC							
Applicant	MISCADIATIA							
COIVI	MISSARIAT A L'ENERGIE ATOMIQUE							
This international preliminary exam Authority and is transmitted to the ap	nination report has been prepared by this International Preliminary Examining oplicant according to Article 36.							
2. This REPORT consists of a total of	5 sheets, including this cover sheet.							
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).								
These annexes consist of a to								
This report contains indications relating	ng to the following items:							
I Basis of the report								
II Priority	II Priority							
III Non-establishment o	f opinion with regard to novelty, inventive step and industrial applicability							
IV Lack of unity of invention								
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;								
VI Certain documents ci	ted							
VII Certain defects in the	international application							
VIII Certain observations on the international application								
Date of submission of the demand	Date of completion of this report							
20 juillet 2004 (20.07.200	•							
lame and mailing address of the IPEA/EP	Authorized officer							
acsimile No.	Telephone No.							
orm PCT/IDE A (400 (agrees of a sa) (7								

CT/IPEA/409 (cover sheet) (January 1994)

Translation

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/FR2003/050195

					PCT/FR2003/050195
	the report				
This rep under Art	ort has been drawn licle 14 are referred t	on the basis of on this report	of (Replacement shee as "originally filed	ets which have been furnished to and are not annexed to the re	the receiving Office in response to an invita eport since they do not contain amendments.
			as originally filed.		
\boxtimes	the description,	pages	1-13	, as originally filed,	
				, filed with the demand,	
				Ť	
\boxtimes	the claims,	Nos		_ , as originally filed,	
				_ , as amended under Article	: 19,
		Nos		_, filed with the demand,	
		Nos	1-6	_, filed with the letter of _	14 March 2005 (14.03.2005)
		Nos.		, filed with the letter of _	
\boxtimes	the drawings,			, as originally filed,	
				, filed with the demand,	
		sheets/fig		, filed with the letter of	
		sheets/fig		, filed with the letter of	
e amend	lments have resulte	d in the cance	llation of:		
	the description,	pages			
	the claims,	Nos			
	the drawings,	sheets/fig			
	report has been est beyond the disclose bbservations, if nec		(some of) the ame s indicated in the	ndments had not been made, Supplemental Box (Rule 70.2	since they have been considered 2(c)).
				•	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/FR 03/50195

YES

NO

v. 	teasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; itations and explanations supporting such statement						
1.	Statement						
	Novelty (N)	Claims	1-6	YES			
		Claims		NO			
Inventive step (IS)	Claims		YES				
		Claims	1-6	NO			

2. Citations and explanations

Industrial applicability (IA)

Reference is made to the following documents:

Claims

Claims

D1: US-B-6 181 764 (MELEN ROBERT E ET AL) 30 January 2001 (2001-01-30)

1-6

- D2: KANG S T ET AL: "A projection method for reconstructing X-ray images of arbitrary cross-section" NDT & E INTERNATIONAL, BUTTERWORTH-HEINEMANN, OXFORD, GB, vol. 32, no. 1, January 1999 (1999-01), pages 9-20, XP004292640 ISSN: 0963-8695
- D3: US-B-6 424 6921 (SUZUKI TATSURO) 23 July 2002 (2002-07-23)
- D4: EP-A-0 683 389 (TOKYO SHIBAURA ELECTRIC CO) 22 November 1995 (1995-11-22)

1. Inventive step

1.1 The present application fails to comply with the requirements of PCT Article 33(1) since the subject matter of claims 1 to 6 does not meet the requirement of inventive step defined in PCT Article 33(3).

Document D1, which is considered to be the prior art

International application No. PCT/FR 03/50195

closest to the subject matter of claim 1, describes (see column 9, line 39 to column 11, line 9 and figures 6 and 7) a method for reconstructing an X-ray image of an object exposed to diverging radiation subject to attenuation, including a multidetector array for measuring the projected attenuation and providing projection slices with overlapping portions. The method uses a combination of slices to reconstruct the X-ray image, as well as the following steps:

- (a) The object is broken down into volume elements (see "voxels" 445, 450, 455, etc. in figure 6) defining reconstruction heights (see "image plane" 430, 435 and 440 in figure 6).
- (b) The volume elements are associated with at least one detector (see detector 420 in figure 6).
- (c) An attenuation value is assigned to each volume element depending on the measured values (see column 9, line 39 to column 10, line 38).
- (d) The attenuation values of the volume elements are combined with the various reconstruction heights (see column 10, line 66 to column 11, line 9).
- 1.2 Dependent claims 2 to 6 do not contain any features which, when combined with the features of any one of the claims to which they refer, might define subject matter that complies with the requirements of inventive step of the PCT (see documents D2 and D3 and the corresponding passages cited in the search report).